

SEQUENCE LISTING

<110> Jing, Shuqian

<120> Transforming Growth Factor-Beta-Related Molecules and
Uses Thereof

<130> 00-659-A

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<150> 60/253,476

<151> 2000-11-28

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<221> CDS

<222> (80)..(502)

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Ile Ser Asn Val Glu Gln Leu Ile Leu Gly Ile Pro Gly Gln Asn Arg
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cgg gag ata ggc cat ggc cag gat atc ttt cca gca gag aag ctc tgc 208
Arg Glu Ile Gly His Gly Gln Asp Ile Phe Pro Ala Glu Lys Leu Cys
30 35 40

cat ctg cag gat cgc aag gtg aac ctt cac aga gct gcc tgg ggc gag 256
His Leu Gln Asp Arg Lys Val Asn Leu His Arg Ala Ala Trp Gly Glu
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tgt att gtt gca ccc aag act ctc agc ttc tct tac tgt cag ggg acc 304
Cys Ile Val Ala Pro Lys Thr Leu Ser Phe Ser Tyr Cys Gln Gly Thr
60 65 70 75

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Cys Pro Ala Leu Asn Ser Glu Leu Arg His Ser Ser Phe Glu Cys Tyr
80 85 90

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Lys Arg Ala Val Pro Thr Cys Pro Trp Leu Phe Gln Thr Cys Arg Pro

95 100 105
 acc atg gtc aga ctc ttc tcc ctg atg gtc cag gat gac gaa cac aag 448
 Thr Met Val Arg Leu Phe Ser Leu Met Val Gln Asp Asp Glu His Lys
 110 115 120
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 Met Ser Val His Tyr Val Asn Thr Ser Leu Val Glu Lys Cys Gly Cys
 125 130 135
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 Ser
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 Lys Thr Leu Ser Phe Ser Tyr Cys Gln Gly Thr Cys Pro Ala Leu Asn
 65 70 75 80
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Asn	Arg	Arg	Glu	Ile	Gly	His	Gly	Gln	Asp	Ile	Phe	Pro	Ala	Glu	Lys	
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50 55 60
Pro Leu Ile Ser Asn Val Glu Gln Leu Ile Leu Gly Ile Pro Gly Gln
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Arg	Lys	Arg	Arg	Ala	Ala	Ile	Pro	Val	Pro	Lys	Leu	Ser	Cys	Lys	Asn
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 Lys Leu Cys His Leu Gln Asp Arg Lys Val Asn Leu His Arg Ala Ala
 35 40 45
 Trp Gly Glu Cys Ile Val Ala Pro Lys Thr Leu Ser Phe Ser Tyr Cys
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Pro Leu Ile Ser Asn Val Glu Gln Leu Ile Leu Gly Ile Pro Gly Gln
50 55 60
Asn Arg Arg Glu Ile Gly His Gly Gln Asp Ile Phe Pro Ala Glu Lys
65 70 75 80
Leu Cys His Leu Gln Asp Arg Lys Val Asn Leu His Arg Ala Ala Trp
85 90 95
Gly Glu Cys Ile Val Ala Pro Lys Thr Leu Ser Phe Ser Tyr Cys Gln
100 105 110
Gly Thr Cys Pro Ala Leu Asn Ser Glu Leu Arg His Ser Ser Phe Glu
115 120 125
Cys Tyr Lys
130

<210> 13
<211> 48
<212> PRT
<213> Homo sapiens

<400> 13
Arg Ala Val Pro Thr Cys Pro Trp Leu Phe Gln Thr Cys Arg Pro Thr

1 5 10 15
 Met Val Arg Leu Phe Ser Leu Met Val Gln Asp Asp Glu His Lys Met
 20 25 30

Ser Val His Tyr Val Asn Thr Ser Leu Val Glu Lys Cys Gly Cys Ser
 35 40 45

<210> 14
 <211> 11
 <212> PRT
 <213> Human immunodeficiency virus type 1

<400> 14
 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
 1 5 10

<210> 15
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: internalizing
 domain derived from HIV tat protein

<400> 15
 Gly Gly Gly Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
 1 5 10 15

<210> 16
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: PCR primer
 2445-27

<400> 16
 ctcatattca aaatcagagg gaggg 25

<210> 17
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: PCR primer
 2445-28

<400> 17
 gtttactcac gtattggatg gaggtg 26

<210> 18
<211> 22
<212> DNA
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<220>
<223> Description of Artificial Sequence: PCR primer
2445-29

<400> 18
ctctaattgtg gagcagctga tc 22

<210> 19
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR primer
2450-21

<400> 19
cagcagagaa gctctgccat ctgc 24

<210> 20
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR primer
2445-30

<400> 20
gagcagccac acgggttctc caccaag 27

<210> 21
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR primer
2445-31

<400> 21
gaagtgttca catagtgcac actc 24

<210> 22
<211> 23
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer
2445-32

<400> 22

ctcatcttgt gttcgtcatc ctg

23

<210> 23

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer
2445-22

<400> 23

gaccatcagg gagaagagtc tgac

24

<210> 24

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: RACE primer
1916-83

<400> 24

ggctcgtatg ttgtgtggaa ttgtgagcg

29

<210> 25

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: RACE primer
1916-80

<400> 25

tgcaaggcga ttaagttggg taacgccag

29

<210> 26

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: RACE primer
1916-82

